Claim or Claims:

I Claim:

1. An apparatus for controlling turbine rpm's and rolling torque as changes occur in the speed of wind (or water) flows, wherein the apparatus comprises; a plurality of centrifugal weights attached to a hub that extend or retract (closer to or farther from axis of low speed shaft) via a jackscrew gear, wherein each weight is also fixed to a guide to prevent uncontrolled rotation; said hub, weights and guides are under program controlled motor and attached to the downwind (or onshore) end of the low speed shaft;
Wherein centrifugal weights are extended or retracted to maintain desired low speed shaft rpm's in changing wind (or water) speeds.

2. Apparatus as set forth in claim 1;
wherein the increase in inertial force (due to weight extension) both controls the rpm's and increases rolling torque on the low speed shaft;
wherein additional generators are brought into play (clutched in) as sufficient additional rolling torque becomes available on the low speed shaft.

3. Apparatus as set forth in claim 2;

wherein controlled centrifugal weights (inertial force) deliver increased rolling torque on the low speed shaft as wind speeds increase while maintaining desired (unchanged) rpm's;

the increased energy content found in an increasing wind manifests it self as greater rolling torque that will drive available additional generators.

Claim or Claims:

Claim 1.

An apparatus for controlling turbine rpm's as changes occur in the speed of wind (or water) flows, wherein the apparatus comprises:

A plurality of centrifugal weights attached to a hub that extend or retract via a jackscrew gear, wherein each weight is also fixed to a guide to prevent uncontrolled rotation;

Said hub, weights and guides are under motor control and attached to the downwind (or onshore) end of the low speed shaft;

Wherein centrifugal weights are extended or retracted to maintain desired low speed shaft rpm's in changing wind (or water) speeds;

Claim 2.

Apparatus as set forth in claim 1

Wherein the increase in inertial force (due to weight extension) both controls the rpm's and increases rolling torque on the low speed shaft:

Wherein additional generators are brought into play (clutched in) as sufficient additional rolling torque becomes available on the low speed shaft.

Claim 3.

Apparatus as set forth in claim 2

Wherein controlled centrifugal weights (inertial force) deliver increased rolling torque on the low speed shaft as wind speeds increase while maintaining desired (unchanged) rpm's. The increased energy content found in an increasing wind manifests it self as greater rolling torque that will drive available additional generators.